



# Crop Weather Report

**Issue: 07-15**  
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For the Week Ending:  
June 17, 2007

## Weather Summary

Most of Montana experienced light to moderate precipitation last week. The moisture in the Northeastern district and a few cities scattered across the state was above normal. Nearly a dozen communities across the state were hit with rain and hail storms on Saturday, June 16<sup>th</sup>. Counties such as Valley, Phillips, and Fergus have reported crop damage. Nashua received 3.95 inches during the week, the most in the state. Albion had the high temperature of 93 degrees while West Yellowstone and Olney shared the low temperature of 30 degrees. Topsoil moisture adequate and surplus, at 90 percent, is up from last week's 84 percent and is better than last year and the five-year average. Subsoil moisture adequate and surplus is 83 percent, up from last week's 77 percent. Subsoil moisture is also rated better than last year and the five-year average. The number of days suitable for fieldwork was 5.3 days, up from last week's 4.3 days.

The weather outlook for June 25<sup>th</sup> through July 1st is for above normal temperatures and below normal precipitation both east and west of the continental divide. Normal temperatures for this period in the state are highs in the lower 70s to the mid 80s and lows in the upper 30s to the upper 50s.

Crop Condition Table	This Week	Last Week	Last Year	5 Yr Avg
<b>Winter Wheat</b>				
Very Poor	1	0	2	4
Poor	4	2	10	12
Fair	22	20	35	30
Good	45	44	41	40
Excellent	28	34	12	14
<b>Barley</b>				
Very Poor	0	0	0	0
Poor	2	5	3	2
Fair	13	27	26	26
Good	64	44	51	55
Excellent	21	24	20	17
<b>Oats</b>				
Very Poor	0	0	2	1
Poor	1	2	6	4
Fair	14	14	27	27
Good	76	57	54	56
Excellent	9	27	11	12
<b>Spring Wheat</b>				
Very Poor	0	1	1	1
Poor	2	6	4	3
Fair	10	22	25	27
Good	75	44	58	58
Excellent	13	27	12	11
<b>Durum Wheat</b>				
Very Poor	0	1	1	1
Poor	0	1	8	6
Fair	15	17	33	23
Good	69	61	50	57
Excellent	16	20	8	13

Soil Moisture & Fieldwork Table	This Week	Last Week	Last Year	5 Yr Avg
<b>Topsoil Moisture</b>				
Very Short	0	2	4	5
Short	10	14	17	15
Adequate	72	65	67	71
Surplus	18	19	12	9
<b>Subsoil Moisture</b>				
Very Short	0	3	8	17
Short	17	20	26	29
Adequate	72	64	63	52
Surplus	11	13	3	2
<b>Days Suitable for Fieldwork</b>				
Days	5.3	4.3	4.1	4.1

## Field Crops Report

Conditions have improved for barley, spring wheat, and durum wheat since last week. Specialty crop conditions are also improving and progress has jumped from last week. Hay harvest is keeping up with last year's progress and is ahead of the five-year average. Durum wheat is almost all planted.

Crop Progress Table	This Week	Last Week	Last Year	5 Yr Avg
<b>Planted</b>				
Durum Wheat	97	93	100	97
<b>Emerged</b>				
Durum Wheat	93	82	96	86
Corn	99	95	100	97
<b>Boot Stage</b>				
Winter Wheat	96	84	97	90
Barley	46	25	33	24
Oats	50	18	43	22
Spring Wheat	51	10	30	19
Durum Wheat	25	9	16	9
<b>Headed</b>				
Winter Wheat	62	43	82	48
Barley	10	n/a	10	4
Spring Wheat	13	n/a	3	1
<b>Blooming</b>				
Dry Peas	38	5	n/a	n/a
Lentils	26	3	n/a	n/a
<b>Hay First Cutting</b>				
Alfalfa	13	3	12	9
All Other	9	1	8	5

## Livestock Report

Almost all livestock is moved onto summer pastures. Range and pasture feed condition good and excellent is 80 percent, up from last week's 69 percent, last year's 58 percent, and the five-year average of 47 percent.

Livestock Table	This Week	Last Week	Last Year	5 Yr Avg
<b>Moved to Summer Ranges</b>				
Cattle & Calves	95	91	97	91
Sheep & Lambs	91	85	98	90
<b>Range and Pasture Feed Condition</b>				
Very Poor	0	1	3	8
Poor	4	5	10	14
Fair	16	25	29	31
Good	52	36	41	35
Excellent	28	33	17	12

## Weather Information for the Week ending 06/17/2007

Station ID						Precipitation								
	Temperature			GDDs		This Week		April 1 to Date			October 1 to Date			
	Hi	LOW	AVG	B50	DFN	Total	DFN	Total	DFN	%NRM	Total	DFN	%NRM	
NORTHWEST														
Alberton	77	44	58	56	-12	0.30	-0.12	3.69	-0.16	96	14.30	+4.74	150	
Anaconda	84	38	56	44	+4	0.55	-0.01	7.12	+2.01	139	13.24	+3.84	141	
Clinton	78	42	60	70	+2	0.45	+0.03	6.30	+2.45	164	15.02	+5.46	157	
Corvallis	83	43	60	69	+2	0.04	-0.38	3.55	-0.11	97	6.39	-3.00	68	
Creston	72	37	54	31	-29	0.34	-0.34	4.98	-0.55	90	9.63	-4.15	70	
Deer Lodge	80	39	56	40	+1	0.12	-0.30	5.89	+2.26	162	9.15	+2.65	141	
Drummond	78	37	57	49	-15	0.48	+0.01	5.87	+1.80	144	9.61	+0.68	108	
Hamilton	84	45	60	72	+5	0.17	-0.25	4.04	+0.38	110	8.02	-1.37	85	
Kalispell	72	33	53	26	-28	0.14	-0.42	3.99	-0.33	92	9.89	-1.98	83	
Missoula	80	46	60	70	+2	0.26	-0.16	3.63	-0.22	94	9.13	-0.43	96	
Olney	68	30	50	6	-46	0.30	-0.40	2.83	-2.38	54	14.53	-3.03	83	
Polson	71	39	56	44	-31	0.02	-0.54	6.46	+1.52	131	11.31	-0.24	98	
St Ignatius	75	43	57	53	-22	0.25	-0.38	5.51	+0.15	103	10.86	-0.74	94	
Seeley Lake	76	43	59	64	+17	0.24	-0.28	3.72	-0.85	81	14.26	-2.60	85	
Sula	82	36	55	40	-1	0.37	-0.18	7.44	+2.34	146	12.82	+1.43	113	
Superior	72	37	57	49	-29	0.18	-0.24	4.41	+0.47	112	14.22	+1.71	114	
Swan Lake	73	35	53	23	-28	0.18	-0.52	6.85	+1.05	118	22.60	+0.74	103	
Thompson Falls	72	41	55	41	-43	0.26	-0.23	5.17	+0.39	108	22.70	+4.11	122	
West Glacier	67	34	53	22	-35	0.35	-0.42	5.23	-0.97	84	22.08	+0.04	100	
NORTH CENTRAL														
Chester	74	38	58	57	-23	0.45	-0.09	4.01	+0.18	105	7.75	+1.51	124	
Chinook	79	41	62	84	-13	0.52	+0.03	6.55	+2.10	147	10.34	+3.15	144	
Choteau	76	38	58	57	-21	0.35	-0.18	3.65	-0.47	89	5.36	-0.73	88	
Cut Bank	73	34	57	48	-11	0.12	-0.48	0.83	-3.69	18	1.31	-5.54	19	
Ft Assinniboine	78	41	61	79	-18	0.53	+0.10	5.72	+1.58	138	9.23	+2.07	129	
Fort Benton	83	41	62	88	-6	0.59	-0.04	5.89	+0.64	112	10.22	+0.85	109	
Goldbutte	69	31	53	28	-39	0.41	-0.23	5.35	+0.58	112	9.47	+1.95	126	
Harlem	77	40	62	84	-10	0.39	-0.03	6.82	+2.98	178	9.83	+3.38	152	
Havre	77	41	62	85	-9	0.34	-0.08	5.47	+1.85	151	8.86	+2.25	134	
Malta	78	46	63	95	+8	1.35	+0.79	7.72	+3.23	172	10.50	+3.38	147	
Rudyard	78	40	59	66	-33	0.48	-0.08	5.76	+0.54	110	9.07	+0.47	105	
Shelby	72	39	57	49	-21	0.31	-0.30	3.33	-1.25	73	6.73	-0.22	97	
Turner	75	42	60	73	-14	1.11	+0.55	5.41	+0.92	120	7.24	+0.12	102	
Valier	71	36	56	43	-27	0.24	-0.37	3.32	-1.26	72	5.26	-1.69	76	
NORTHEAST														
Bredette	81	45	63	90	-6	2.38	+1.75	9.15	+4.89	215	12.18	+5.63	186	
Culbertson	88	43	66	110	+11	1.17	+0.47	6.48	+1.37	127	9.79	+1.95	125	
Glasgow	82	45	65	104	+2	3.17	+2.67	10.23	+6.57	280	12.34	+6.36	206	
Glendive	91	49	67	120	+0	0.93	+0.23	6.46	+1.48	130	9.77	+1.81	123	
Jordan	81	41	64	99	-11	1.01	+0.45	9.23	+4.43	192	11.54	+3.75	148	
Nashua	83	45	65	109	+7	3.95	+3.45	11.08	+7.42	303	13.60	+7.62	227	
Opheim	76	45	62	87	+7	2.88	+2.25	7.45	+3.43	185	9.44	+3.39	156	
Plentywood	83	45	64	102	+8	2.23	+1.67	9.14	+4.78	210	11.48	+4.77	171	
St Marie	77	45	63	93	-9	0.98	+0.48	7.83	+4.17	214	9.35	+3.37	156	
Scobey	80	46	62	85	-11	1.39	+0.76	8.80	+4.54	207	11.12	+4.57	170	
Sidney	86	46	66	116	+8	1.19	+0.56	8.27	+3.48	173	10.90	+2.97	137	
Wolf Point	83	45	64	100	-4	1.49	+0.79	7.97	+2.46	145	9.62	+0.68	108	
CENTRAL														
Cascade	79	36	55	37	-14	0.20	-0.43	7.70	+2.04	136	11.75	+2.34	125	
Grass Range	76	42	62	83	-1	0.40	-0.30	10.47	+3.80	157	16.40	+5.55	151	
Great Falls	82	38	60	69	-11	0.36	-0.22	5.45	+0.04	101	10.04	-0.24	98	
Harlowton	77	41	59	68	-5	0.94	+0.27	7.48	+2.39	147	12.17	+3.69	144	
Helena	85	46	63	94	+11	0.41	-0.04	5.46	+1.56	140	8.57	+1.23	117	
Lewistown	75	38	59	65	+5	0.80	+0.06	8.37	+1.95	130	13.64	+1.85	116	
Martinsdale	76	35	58	57	+4	0.33	-0.18	4.13	-0.53	89	7.80	-0.19	98	
Neihart	80	42	59	62	+19	0.55	-0.24	10.80	+3.47	147	20.20	+6.38	146	
Rogers Pass	77	40	57	52	-20	0.43	-0.15	8.05	+3.15	164	12.70	+4.51	155	
Roundup	82	46	64	101	-2	0.87	+0.33	9.36	+4.59	196	13.81	+6.01	177	
Ryegate	77	43	60	75	+15	0.56	+0.00	7.13	+2.62	158	11.45	+3.80	150	
Stanford	77	39	57	50	-14	0.77	+0.02	7.87	+1.55	125	12.57	+2.02	119	
Townsend	84	40	61	82	+5	0.33	-0.16	4.54	+0.84	123	7.51	+0.95	114	
Valentine	79	43	62	88	+0	0.36	-0.20	8.32	+2.66	147	12.76	+3.74	141	
Wht Sulphur Spr	78	38	58	55	+18	0.37	-0.26	4.37	-0.69	86	7.26	-3.40	68	
SOUTHWEST														
Boulder	80	41	60	73	+16	0.27	-0.22	4.87	+1.01	126	8.07	+1.10	116	
Bozeman	79	40	60	70	+2	0.21	-0.49	10.93	+4.09	160	21.41	+8.08	161	
Butte	79	37	57	49	+6	0.34	-0.18	6.05	+1.98	149	10.00	+2.59	135	
Dillon	82	39	59	63	+3	0.07	-0.42	5.18	+1.29	133	8.63	+2.44	139	
Ennis	84	35	59	63	+3	0.18	-0.41	6.82	+2.12	145	12.27	+4.04	149	
Lakeview	82	40	60	72	+48	0.09	-0.68	2.88	-2.83	50	9.74	-4.07	71	
W Yellowstone	82	30	54	28	+2	0.00	-0.56	3.26	-1.66	66	10.20	-5.91	63	
Wisdom	82	34	56	44	+18	0.47	+0.05	5.42	+1.97	157	11.26	+4.02	156	
SOUTH CENTRAL														
Billings	83	51	65	104	+4	0.04	-0.45	7.45	+1.87	134	13.29	+2.24	120	
Cooke City	78	38	59	66	+52	0.07	-0.59	4.59	-1.49	75	10.48	-7.42	59	
Gardiner	87	47	64	99	+22	0.14	-0.21	2.03	-1.08	65	5.85	-0.71	89	
Hardin	85	51	68	128	+30	0.16	-0.39	7.96	+2.14	137	13.34	+2.02	118	
Huntley	85	47	64	99	+7	0.15	-0.41	8.50	+3.09	157	13.29	+3.70	139	
Hysham	83	53	67	121	+13	0.64	+0.15	8.61	+3.45	167	13.80	+5.00	157	
Joliet	82	48	63	91	+4	0.12	-0.37	7.43	+0.88	113	13.30	+1.49	113	
Livingston	77	37	60	68	-5	0.09	-0.50	7.31	+1.44	125	13.38	+3.08	130	
Nye	76	38	60	70	-3	0.99	+0.40	8.12	+2.25	138	13.34	+3.04	130	
Rapelje	78	43	62	85	+4	1.12	+0.56	8.94	+3.32	159	13.32	+2.84	127	
SOUTHEAST														
Albion	93	45	65	110	+17	0.73	+0.10	7.48	+2.08	139	11.85	+3.21	137	
Baker	86	50	64	103	+0	0.63	+0.00	8.98	+3.85	175	12.59	+3.96	146	
Broadus	84	49	67	122	+22	0.22	-0.34	9.42	+4.13	178	13.77	+4.53	149	
Ekalaka	80	47	65	108	+12	0.18	-0.73	10.20	+3.62	155	15.70	+5.10	148	
Miles City	85	51	67	124	+7	0.07	-0.63	8.13	+2.85	154	10.93	+1.95	122	
Plevna	87	42	64	101	-2	0.31	-0.32	7.94	+2.81	155	12.29	+3.66	142	
Compiled by AWIS Inc. based on NWS data. DFN-Departure from normal 1961-1990. GDD-Growing degree days														